

Department of Energy

§ 431.31

FULL-LOAD EFFICIENCIES OF NEMA DESIGN B GENERAL PURPOSE ELECTRIC MOTORS FULL-LOAD EFFICIENCIES OF GENERAL PURPOSE ELECTRIC MOTORS

Motor horsepower	Nominal full load efficiency							
	Open motors (number of poles)				Enclosed motors (number of poles)			
	8	6	4	2	8	6	4	2
250 .....	94.5	94.5	95.4	94.5	94.5	95.0	95.0	95.4
300 .....		94.5	95.4	95.0		95.0	95.4	95.4
350 .....		94.5	95.4	95.0		95.0	95.4	95.4
400 .....			95.4	95.4			95.4	95.4
450 .....			95.8	95.8			95.4	95.4
500 .....			95.8	95.8			95.8	95.4

(g) This section does not apply to definite purpose motors, special purpose motors, and those motors exempted by the Secretary.

[69 FR 61923, Oct. 21, 2004, as amended at 74 FR 12071, Mar. 23, 2009]

§ 431.26 Preemption of State regulations.

Any State regulation providing for any energy conservation standard, or other requirement with respect to the energy efficiency or energy use, of an electric motor that is not identical to a Federal standard in effect under this subpart is preempted by that standard, except as provided for in Section 345(a) and 327(b) and (c) of the Act.

LABELING

§ 431.30 Applicability of labeling requirements.

The labeling rules in § 431.31, established pursuant to Section 344 of EPCA, 42 U.S.C. 6315, apply only to electric motors manufactured after October 5, 2000.

§ 431.31 Labeling requirements.

(a) *Electric motor nameplate*—(1) *Required information*. The permanent nameplate of an electric motor for which standards are prescribed in § 431.25 must be marked clearly with the following information:

(i) The motor's nominal full load efficiency (as of the date of manufacture), derived from the motor's average full load efficiency as determined pursuant to this subpart; and

(ii) A Compliance Certification number ("CC number") supplied by DOE to the manufacturer or private labeler,

pursuant to § 431.36(f), and applicable to that motor. Such CC number must be on the nameplate of a motor beginning 90 days after either:

(A) The manufacturer or private labeler has received the number upon submitting a Compliance Certification covering that motor, or

(B) The expiration of 21 days from DOE's receipt of a Compliance Certification covering that motor, if the manufacturer or private labeler has not been advised by DOE that the Compliance Certification fails to satisfy § 431.36.

(2) *Display of required information*. All orientation, spacing, type sizes, type faces, and line widths to display this required information shall be the same as or similar to the display of the other performance data on the motor's permanent nameplate. The nominal full load efficiency shall be identified either by the term "Nominal Efficiency" or "Nom. Eff." or by the terms specified in paragraph 12.58.2 of NEMA MG1-1993, (Incorporated by reference, see § 431.15) as for example "NEMA Nom. Eff. \_\_\_\_\_." The DOE number shall be in the form "CC \_\_\_\_\_."

(3) *Optional display*. The permanent nameplate of an electric motor, a separate plate, or decalcomania, may be marked with the encircled lower case letters "ee", for example,



or with some comparable designation or logo, if the motor meets the applicable standard prescribed in § 431.25, as determined pursuant to this subpart, and is covered by a Compliance Certification that satisfies § 431.36.